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APPLICATION NO.	FILING DATE	I	FIRST NAMED INVI	ENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/051,541	01/16/2002		Mark Champio	on	71746	9648
TITLE OF INVENTION: T	WO-DIMENSIONAL BUF	FER PAGES USIN				
APPLN. TYPE	SMALL ENTITY	ISSUE FE	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330		\$300	\$1630	05/10/2004
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MONESTIM	E, MACKLY	2676		345-545000		
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NOTICE OF ALLOWANCE AND FEE(S) DUE

22242

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02/09/2004

FITCH EVEN TABIN AND FLANNERY 120 SOUTH LA SALLE STREET SUITE 1600 CHICAGO, IL 60603-3406 EXAMINER

MONESTIME, MACKLY

ART UNIT PAPER NUMBER

2676 DATE MAILED: 02/09/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/051,541	01/16/2002	Mark Champion	71746	9648

TITLE OF INVENTION: TWO-DIMENSIONAL BUFFER PAGES USING MEMORY BANK ALTERNATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/10/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



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FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. FILING DATE APPLICATION NO. 71746 9648 10/051,541 01/16/2002 Mark Champion EXAMINER 7590 02/09/2004 22242 MONESTIME, MACKLY FITCH EVEN TABIN AND FLANNERY 120 SOUTH LA SALLE STREET PAPER NUMBER ART UNIT

> 2676 DATE MAILED: 02/09/2004

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 234 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 234 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Application No.	Applicant(s)
	CHAMPION, MARK
	2676
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	Examiner Mackly Monestime Pronthe cover sheet with the DR REMAINS) CLOSED in this are other appropriate communication of the subject and MPEP 1308. This application is subject and MPEP 1308. This communication to file a report of this application. This application. This communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application. The communication to file a report of this application to file a report of this application. The communication to file a report of this application to file a report of this application. The communication to file a report of this application to file a report of this application. The communication to file a report of this application to file a report of this a

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Page 2

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

The prior art of record further failed to teach or render obvious the combination of element recited in the claim. The cited references did not specifically disclose or suggest the following limitations: "a first address multiplexor connected to the first memory; a second address multiplexor connected to the second memory; a third address multiplexor connected to the third memory, a four-by-four switch connected to the first memory, the second memory, the third memory, and the fourth memory, having a first data input, a second data input, a first data output and a second data output, where the four-by-four switch switches with each frame between providing pixel data to the first memory and the second memory while receiving pixel data from the third memory and the fourth memory, and receiving pixel data from the first memory and the second memory while providing pixel data to the third memory and the fourth memory (as per claim 21)". These distinct structure of the present claims invention were not found to be anticipated, suggested or made obvious by the prior art of record, either singularly or in combination.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mackly Monestime whose telephone number is (703) 305-3855. The examiner can normally be reached on Monday to Thursday from 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bella Matthew, can be reached on (703) 308-6829.

Any response to this action should be mailed to:

Commissioner of Patent and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, Va, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Marken (Belle SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2600